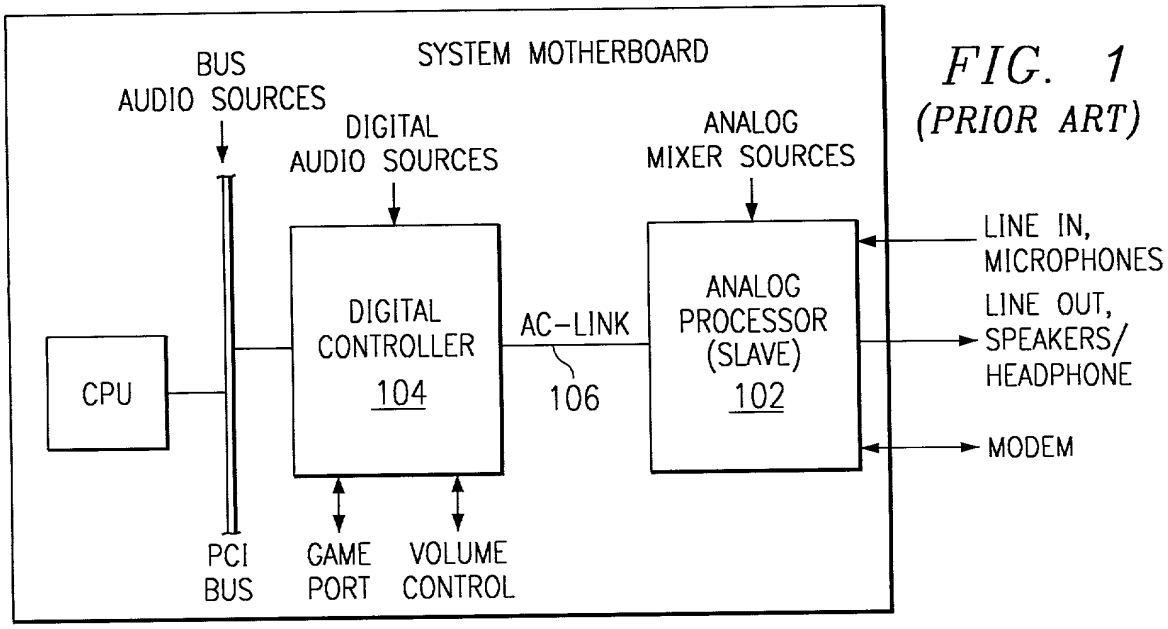


FIG. 1
(PRIOR ART)

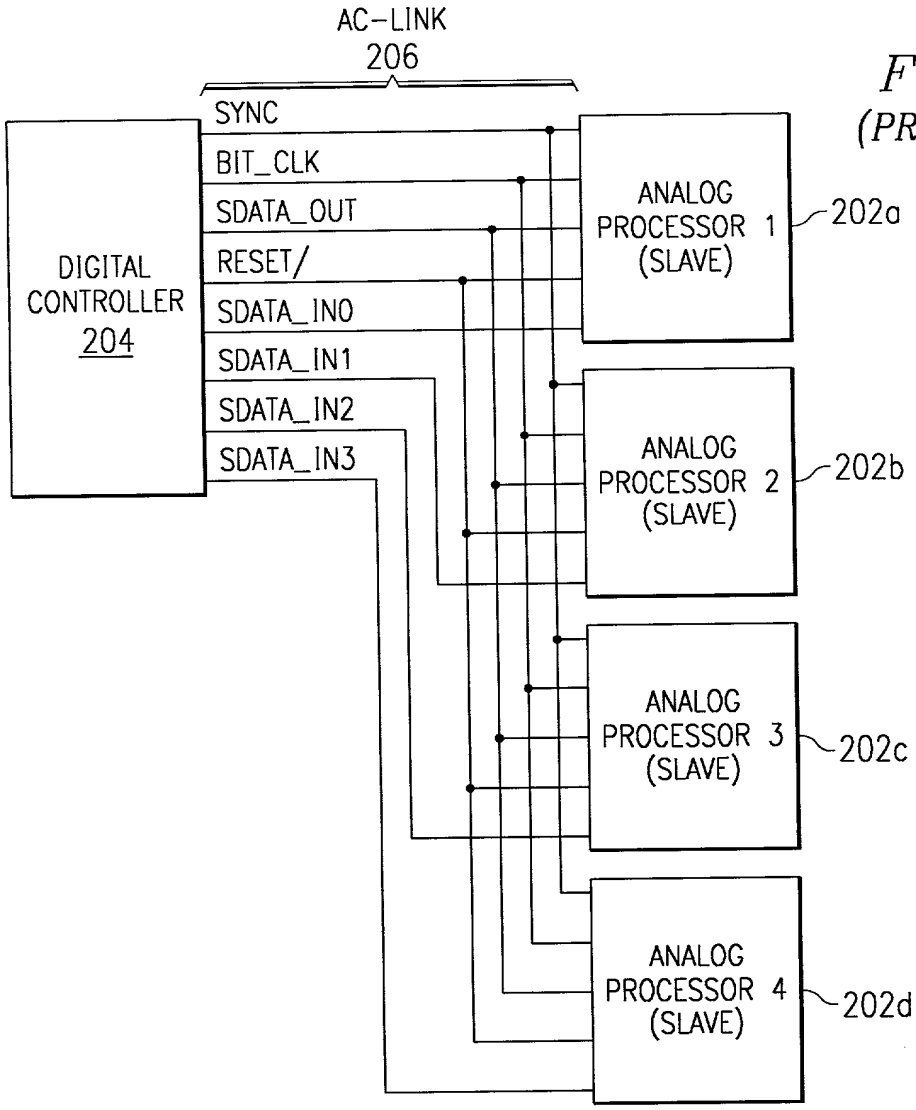


FIG. 2
(PRIOR ART)

Express Mail Label No. EV339615269

TOTE20*Z9E6TT660

FIG. 3

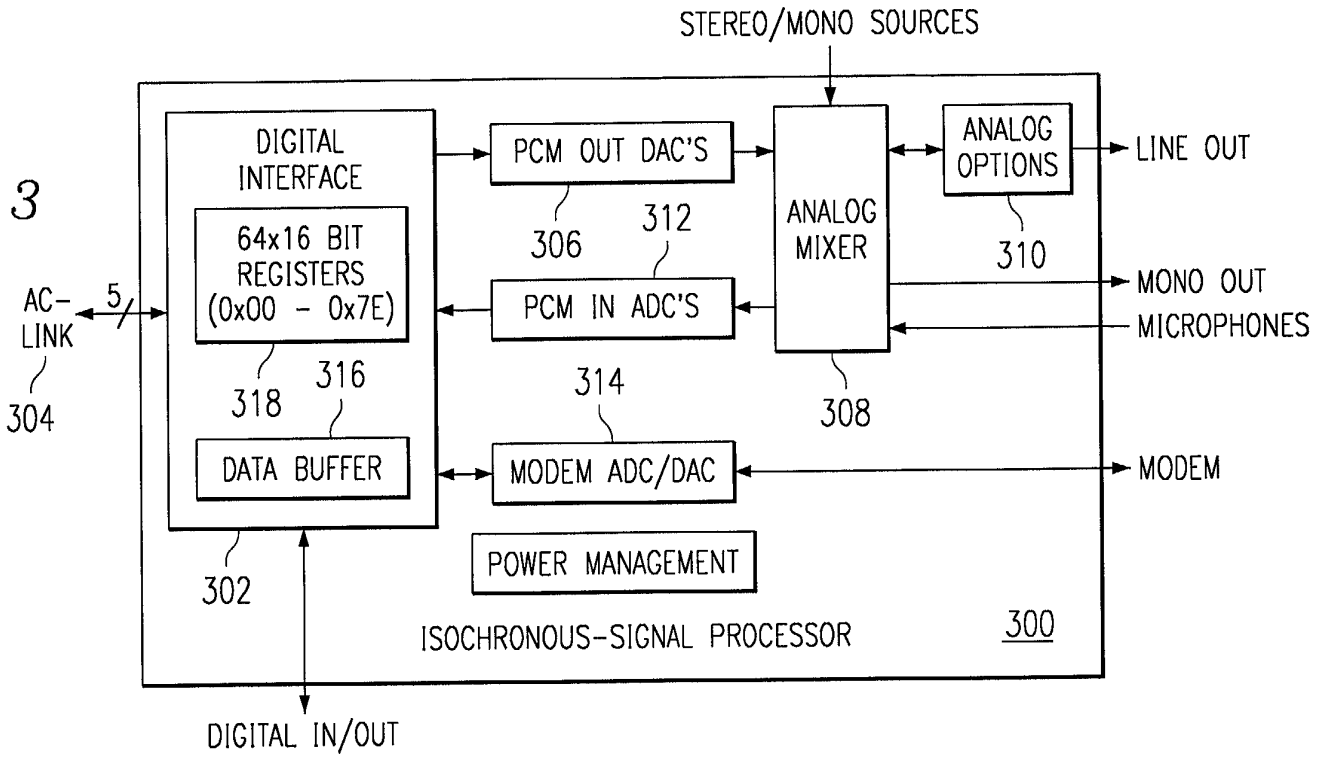
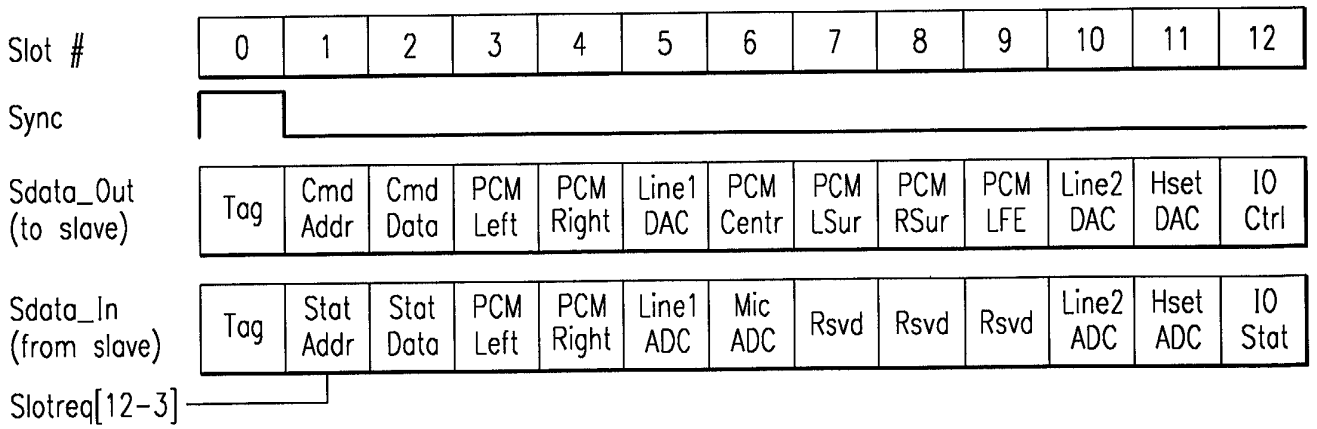


FIG. 4
(PRIOR ART)



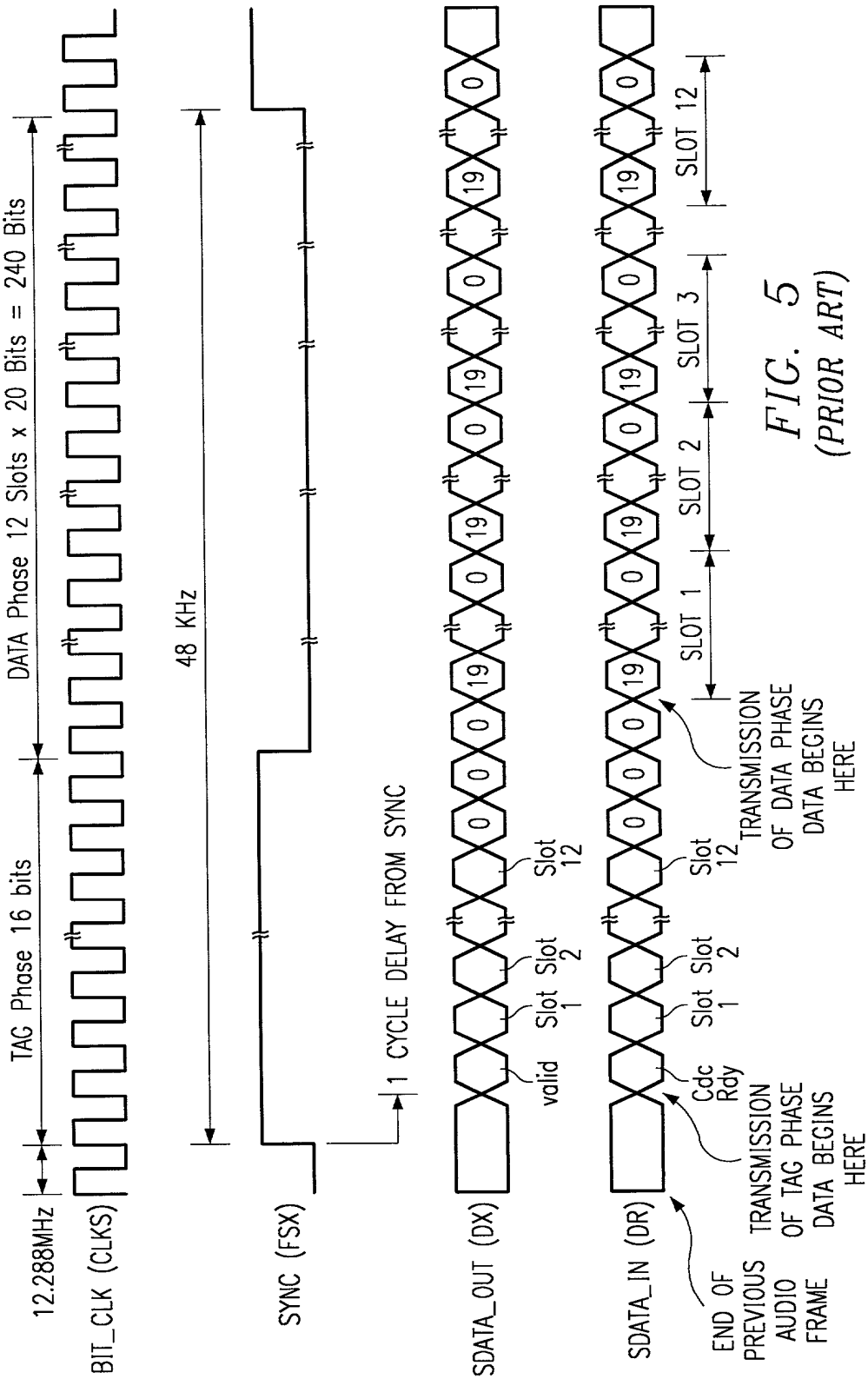
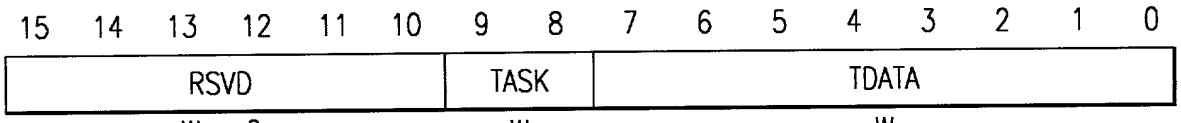


FIG. 5
(PRIOR ART)

FIG. 6

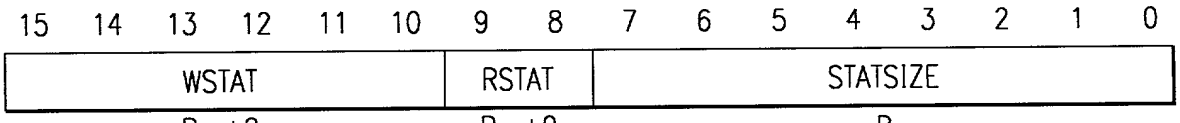
CONTROL REGISTER



Bit	Name	Function
15-10	RSVD	Reserved (write zeros)
9-8	TASK	Multi-Word Task Flag TASK = 00 INITIATE_COMMAND TASK = 01 PROCESS_COMMAND TASK = 10 PREPARE_STATUS TASK = 11 reserved
7-0	TDATA	Multi-Word Task Data If TASK = 00 TDATA = word count of new multi-word command If TASK = 01 TDATA is unused and can be any value If TASK = 10 TDATA = type of status requested If TASK = 11 TDATA is unused and can be any value

FIG. 7

STATUS REGISTER



Bit	Name	Function
15-12	WSTAT	Multi-Word Write Status WSTAT = 0000 READY_TO_RECEIVE WSTAT = 0001 RECEIPT_IN_PROGRESS WSTAT = 0010 RECEIVE_ERROR WSTAT = 0011 PROCESSING_COMMAND All other values are reserved
11-8	RSTAT	Multi-Word Read Status RSTAT = 0000 STATUS_READ_COMPLETE RSTAT = 0001 PREPARING_STATUS RSTAT = 0010 STATUS_REQUEST_ERROR RSTAT = 0011 STATUS_READY RSTAT = 0100 STATUS_READ_ERROR All other values are reserved
7-0	STATSIZE	Status size (word count) Contains count of words in prepared multi-word status. Only valid when RSTAT = STATUS_READY

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